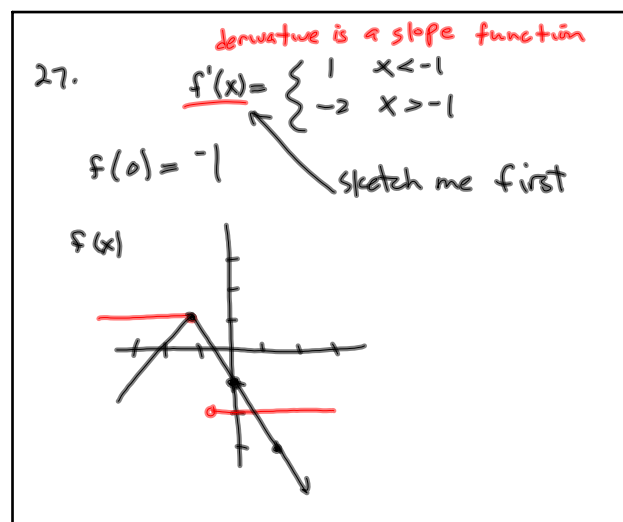
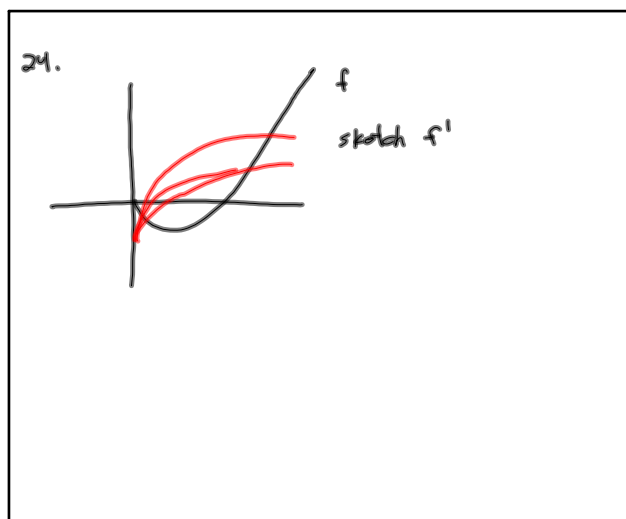


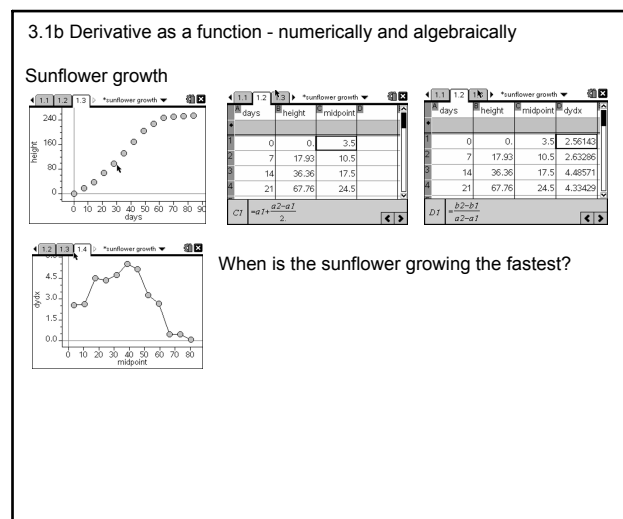
Sep 9-9:58 AM



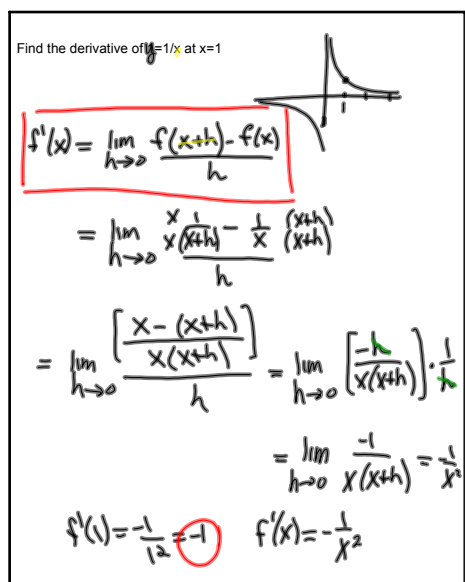
Sep 9-10:05 AM



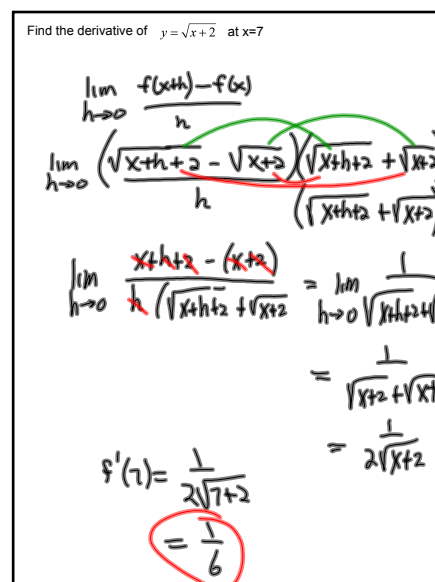
Sep 9-10:12 AM



Sep 9-10:16 PM



Sep 9-10:41 PM



Sep 10-11:27 AM

One-sided derivatives

Show that the following function has a left hand and a right hand derivative at $x=0$, but no derivative there.

$$f(x) = \begin{cases} x^2 & x \leq 0 \\ 2x & x > 0 \end{cases}$$

Sep 10-11:33 AM